

Alpha-1,4-Galactosyltransferase Recombinant Protein | a4GALT recombinant protein

Recombinant Alpha-1,4-Galactosyltransferase (a4GALT)

CATALOG # AAA145481	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Alpha-1; 4-Galactosyltransferase; Recombinant Alpha-1; 4-Galactosyltransferase (a4GALT); A4GALT; P1; A14GALT; A4GALT1; PK; Lactosylceramide 4-Alpha-Galactosyltransferase; Globotriaosylceramide Synthase; Gb3 synthase; P1/Pk synthase; CD77 Synthase; a4GALT recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Sequence	GEPKEKGQLY NLP AEIPCPT LTPPTPPSHG PTPGNIFFLE TSDRTNPNFL FMCSVESAAR THPESHVLVL MKGLPGGNAS LPRHLGISLL SCFPNVQMLP LDLRELFRTD PLADWYAAVQ GRWEPYLLPV LSDASRIALM WKFGGIYLDL DFIVLKNLRN LTNVLGTQSR YVLNGAFLAF ERRHEFMALC MRDFVDHYNG WIWGHQGPQL LTRVFKKWC SIRS LAESRAC RGVTTLPPEA FYPIPWQDWK KYFEDINPEE LPRLLSATYA VHVWNKKSQG TRFEATSRAL LAQLHARYCP TTHEAMKMYL
Sequence Length	353
Applicable Applications for a4GALT recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Predicted Molecular Mass	39.1kDa
Usage	Reconstitute in sterile PBS, pH7.2-pH7.4.
Endotoxin Level	<1.0EU per 1 ug (determined by the LAL method)
Expression System	Prokaryotic expression
Fragment	Gly44~Leu353
Organism Species	Human
Tag	two N-terminal Tags, His-tag and T7-tag
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	37726541
NCBI GeneID	53947
Molecular Weight	40,499 Da
NCBI Official Full Name	alpha-1,4-galactosyltransferase
NCBI Official Synonym Full Names	alpha 1,4-galactosyltransferase
NCBI Official Symbol	A4GALT
NCBI Official Synonym Symbols	P1; PK; Gb3S; P(k); P1PK; A14GALT; A4GALT1
NCBI Protein Information	lactosylceramide 4-alpha-galactosyltransferase
UniProt Protein Name	Lactosylceramide 4-alpha-galactosyltransferase
UniProt Gene Name	A4GALT
UniProt Synonym Gene Names	A14GALT; A4GALT1; Gb3 synthase
UniProt Entry Name	A4GAT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/a4galt-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/145481>